

Amendments to the Claims

The following version of the claims will replace the previous version presented.

Listing of Claims

1. (Currently Amended) A conveyor system having a primary conveyor and a ~~cantilevered~~ conveying belt, said ~~cantilevered~~ conveying belt comprising:
 - (a) a ~~cantilevered~~ frame including a base attached to a cantilevered deck having at least one conveyor belt, said base including a support arm having one end selectively movable to said deck; and
 - (b) a belt tension assembly attached to said ~~cantilevered~~ frame.
2. (Original) The apparatus according to Claim 1, further including an upstream accumulator.
3. (Original) The apparatus according to Claim 2, wherein said upstream accumulator includes: a frame; at least one belt; at least one pair of opposed rollers; and a motor attached to at least one of said rollers.
4. (Original) The apparatus according to Claim 2, further including an accumulator control system.
5. (Original) The apparatus according to Claim 4, wherein said accumulator control system includes: a package “on” detector and a package “off” detector.
6. (Original) The apparatus according to Claim 4, wherein said accumulator control system further includes a control interface to said primary conveyor.
7. (Canceled)

8. (Currently amended) The apparatus according to Claim ~~7~~1, wherein said base is lazy L-shaped.

9. (Currently amended) The apparatus according to Claim ~~7~~1, wherein said base includes a vertical support wall.

10. (Original) The apparatus according to Claim 9, further including a horizontal deck mounting surface attached to said vertical support wall.

11. (Original) The apparatus according to Claim 10, further including a nut bar and a plurality of fasteners for attaching said cantilevered deck to said horizontal deck mounting surface.

12. (Currently amended) The apparatus according to Claim ~~7~~1, wherein a portion of said cantilevered deck is trapezoidal shaped.

13. (Original) The apparatus according to Claim ~~7~~1, wherein said cantilevered deck is formed from a plurality of extruded tubes.

14. (Original) The apparatus according to Claim 13, wherein said plurality of extruded tubes are joined to one another by finger splices.

15. (Canceled)

16. (Currently amended) The apparatus according to Claim ~~15~~1, wherein said support arm includes a first connector attached to said base and a second connector attached to said cantilevered deck.

17. (Original) The apparatus according to Claim 16, wherein said first connector is a hinge.

18. (Original) The apparatus according to Claim 16, wherein said second connector is a locking mechanism.

19. (Original) The apparatus according to Claim 18, wherein said locking mechanism includes an over center latch and a secondary spring lock.

20. (Original) The apparatus according to Claim 1, wherein cantilevered frame further includes a belt drive.

21. (Currently amended) The apparatus according to Claim 20, wherein said belt drive includes ~~a plurality of belts~~; at least one pair of opposed rollers[[:]] and a motor attached to at least one of said rollers.

22. (Currently Amended) A belt tension assembly for a ~~cantilevered~~ conveying belt for a conveyor system, the ~~cantilevered~~ conveying belt having a cantilevered deck having at least one conveyor belt and a pair of opposed rollers, said belt tension assembly comprising:

- (a) a roller support connected to at least one of said rollers;
- (b) a roller support rod for movably connecting said roller support to said cantilevered deck;
- (c) a roller support rod spring between said roller support rod and said cantilevered deck; and
- (d) a spring adjustment assembly including a fixed spring stop, a movable spring stop, and an actuator for adjusting a position of said movable spring stop including a sliding nut and threaded rod having a beveled gear drive on one end.

23. (Currently amended) The apparatus according to Claim 22, wherein said spring is comprises a compression spring.

24-26. (Canceled)

27. (Currently Amended) A conveyor system having a primary conveyor and cantilevered conveying belt, said cantilevered conveying belt comprising:

- (a) a cantilevered deck having a first end and a second end and at least one conveyor belt, said deck attached to a base including a support arm having one end selectively movable to said deck;
- (b) a belt tension assembly attached to one end of said cantilevered deck, said belt tension assembly including: (i) a roller support connected to at least one of said rollers; (ii) a roller support rod for movably connecting said roller support to said deck; (iii) a roller support rod spring between said roller support rod and said deck; and (iv) a spring adjustment assembly; and
- (c) an upstream accumulator.

28. (Original) The apparatus according to Claim 27, wherein said upstream accumulator includes: a frame; at least one belt; at least one pair of opposed rollers; and a motor attached to at least one of said rollers.

29. (Original) The apparatus according to Claim 27, further including an accumulator control system.

30. (Original) The apparatus according to Claim 29, wherein said accumulator control system includes: a package “on” detector and a package “off” detector.

31. (Original) The apparatus according to Claim 29, wherein said accumulator control system further includes a control interface to said primary conveyor.

32. (Canceled)

33. (Currently amended) The apparatus according to Claim ~~32~~ 27, wherein said base is lazy L-shaped.

34. (Currently amended) The apparatus according to Claim ~~32~~ 27, wherein said base includes a vertical support wall.

35. (Original) The apparatus according to Claim 34, wherein said vertical support wall further includes a horizontal deck mounting surface.

36. (Original) The apparatus according to Claim 35, wherein said horizontal deck mounting surface includes a nut bar and a plurality of fasteners for attaching said cantilevered deck to said horizontal deck mounting surface.

37. (Original) The apparatus according to Claim 32, wherein a portion of said cantilevered deck is trapezoidal shaped.

38. (Original) The apparatus according to Claim 32, wherein said cantilevered deck is formed from a plurality of extruded tubes.

39. (Original) The apparatus according to Claim 38, wherein said plurality of extruded tubes are joined to one another by finger splices.

40. (Canceled)

41. (Currently amended) The apparatus according to Claim ~~40~~ 27, wherein said support arm includes a first connector attached to said base and a second connector attached to said cantilevered deck.

42. (Original) The apparatus according to Claim 41, wherein said first connector is a hinge.

43. (Original) The apparatus according to Claim 41, wherein said second connector is a locking mechanism.

44. (Original) The apparatus according to Claim 43, wherein said locking mechanism includes an over center latch and a secondary spring lock.

45. (Previously presented) The apparatus according to Claim 27, wherein cantilevered conveying belt further includes a belt drive.

46. (Original) The apparatus according to Claim 45, wherein said belt drive includes a plurality of belts; at least one pair of opposed rollers; and a motor attached to at least one of said rollers.

47. (Original) The apparatus according to Claim 27, wherein said spring is a compression spring.

48. (Original) The apparatus according to Claim 27, wherein spring adjustment assembly includes: a first fixed spring stop; a second moveable spring stop; and an actuator for adjusting the position of said second moveable spring stop.

49. (Original) The apparatus according to Claim 48, wherein said actuator for adjusting the position of said second moveable spring stop includes: a threaded rod; a sliding nut; and a drive on one end of said threaded rod.

50. (Original) The apparatus according to Claim 49, wherein said drive is a beveled gear drive.

51. (Currently amended) A ~~cantilevered~~ conveying belt comprising a cantilevered deck, and a first conveyor belt forming an endless loop and a second conveyor belt forming an endless loop, wherein the first belt is longer than the second belt, and wherein the second, shorter belt is positioned on the cantilevered deck proximal to the unsupported end of the cantilevered deck, thereby allowing replacement by removal of the first longer belt from the unsupported end of the deck without removal of the second shorter belt or destruction of the endless loop forming the longer belt, and the replacement by removal of the second shorter belt from the unsupported end of the deck without removal of the first longer belt or destruction of the endless loop forming the shorter belt.

52. (Previously presented) The cantilevered conveying belt of Claim 51, wherein the cantilevered deck comprises a plurality of extruded tubes having a first end and a second end.

53. (Previously presented) The cantilevered conveying belt of Claim 52, further including a belt tension assembly attached to the cantilevered deck.

54 (Previously presented) The cantilevered conveying belt of Claim 53, wherein the belt tension assembly is attached to at least one end of the plurality of tubes.

55-56. (Canceled)

57. (New) A conveying belt comprising:

- (a) a conveyor belt for conveying items from one end of the conveying belt to a distal end;
- (b) a deck having opposing sides extending between the one end and the distal end of the conveying belt; and
- (c) a base coupled to the deck on one of the opposing sides and including a support displaceable from the other of the opposing sides to cantilever the deck from the one side.

58. (New) The conveyor system of claim 57 wherein the conveyor belt is formed in an endless loop removable from the deck with the support displaced through the other of the opposing sides without destruction of the endless loop.

59. (New) The conveyor system of claim 57 wherein the support comprises an arm hinged at one end from the base.

60. (New) A conveyor system having a primary conveyor and a conveying belt, said conveying belt comprising:

- (a) a frame including a cantilevered deck having at least one conveyor belt, said deck attached to a base having a vertical support wall attached to a horizontal deck mounting surface;
- (b) a nut bar and a plurality of fasteners for attaching said deck to said horizontal deck mounting surface; and
- (c) a belt tension assembly attached to said frame.

61. (New) A conveyor system having a primary conveyor and a conveying belt, said conveying belt comprising:

- (a) a frame including a cantilevered deck attached to a base, said deck including a plurality of extruded tubes joined to one another by finger splices and at least one conveyor belt; and
- (b) a belt tension assembly attached to said frame.